

FORM PTO-1449 U.S. Department of
Commerce (Rev. 4/92) Patent and Trademark

ATTY. DOCKET NO.

SERIAL NO.

1309.43768X00

10/822,725

APPLICANT
Sachiko HOSHINO et al.

FILING DATE
April 13, 2004

GROUP
2188

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
LI	6,148,368	11-2000	DEKONING			
LI	6,341,331	01-2002	MCNUTT			
LI	6,347,358	2-2002	KUWATA			
LI	2003/0196055 A1	10-2003	KAMANO et al.			
LI	2004/0111557 A1	6-2004	NAKATANI et al.			
LI	2004/0139168 A1	7-2004	TANAKA et al.			
LI	2004/0193803 A1	9-2004	MOGI et al.			
LI	5,568,629	10-1996	GENTRY et al.			

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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
						YES	NO
LI	JP 2002-149599	5-2002	Japan			X	
LI	JP 2002-230189	8-2002	Japan			X	
LI	JP 2003-157177	5-2003	Japan			X	
LI	JP 2004-238539	8-2004	Japan			X	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

LI	Buck, A. L. et al., "The Storage Server as Virtual Volume Manager", IEEE Comput. Soc., April 1993, USA 26-29, pp. 79-86.
LI	Gelb, J.P. "System-Managed Storage", IBM Systems Journal, Vol. 28, No. 1, Jan. 1989, pp. 77-103.
LI	Kaczmariski, M. et al., "Beyond Backup Toward Storage Management", IBM Systems Journal, Vol. 42, No. 2, 2003, pp. 322-337.

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LI	5,657,470	8-1997	FISHERMAN et al.			
LI	5,829,053	10-1998	SMITH et al.			
LI	6,275,824	8-2001	O'FLAHERTY et al.			
LI	6,275,825	8-2001	KOBAYASHI et al.			
LI	6,275,898	8-2001	DEKONING			
LI	6,289,398	9-2001	STALLMO et al.			
LI	6,425,049	7-2002	YAMAMOTO et al.			
LI	6,502,162	12-2002	BLUMENAU et al.			
LI	6,502,193	12-2002	BARBER			
LI	6,507,905	1-2003	HUBACHER et al.			
LI	6,519,679	2-2003	DEVIREDDY et al.			
LI	6,615,324	9-2003	FERNALD			

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DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
					YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

LI	Freedom Storage Lightning 9900 V Series, User and Ref. Guide to Hitachi Data Systems, 2002.

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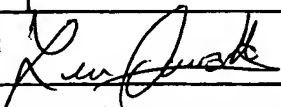
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
LF	6,665,786	12-2003	MCMICHAEL et al.			
LI	6,715,031	3-2004	CAMBLE et al.			
LI	6,772,287	8-2004	UCHIYAMA et al.			
LI	6,851,022	2-2005	IKEUCHI et al.			
LI	2002/0095602 A1	7-2002	PERSON et al.			
LI	2002/0099837 A1	7-2002	OE et al.			
LI	2002/0103913 A1	8-2002	TAWIL et al.			
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LI	2003/0023868 A1	1-2003	PARENT			
LI	2003/0055933 A1	3-2003	ISHIZAKI et al.			
LI	2003/0055972 A1	3-2003	FULLER et al.			
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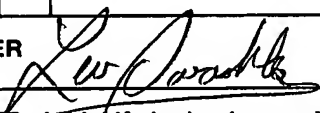
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
LS	2003/0115434 A1	6-2003	MAHALINGAM et al.			
LF	2003/0115447 A1	6-2003	PHAM et al.			
LS	2003/0182501 A1	9-2003	GEORGE et al.			
LF	2004/0010563 A1	1-2004	FORTE et al.			
LF	2004/0049564 A1	3-2004	NG et al.			
LF	2004/0064729 A1	4-2004	YELLEPEDDY			
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